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WPI Acc No: 1977-34749Y/197720
Moulding compsn. contg. peroxide, filler and unsatd. polyester - derived from polyol, unsatd. and satd. dicarboxylic acids
Patent Assignee: SIR SOC ITAL RESINE SPA (SITR )
Number of Countries: 007 Number of Patents: 008
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| Patent No | Kind | Date | Applicat No | Kind | Date | Week | |
|---|---|---|---|---|---|---|---|
| DE 2648351 | A | 19770512 | | | | 197720 | B |
| JP 52063286 | A | 19770525 | | | | 197727 | |
| FR 2329712 | A | 19770701 | | | | 197731 | |
| BR 7607284 | A | 19770913 | | | | 197740 | |
| GB 1502249 | A | 19780222 | | | | 197808 | |
| US 4077939 | A | 19780307 | | | | 197813 | |
| JP 80005528 | B | 19800207 | | | | 198010 | |
| CA 1074039 | A | 19800318 | | | | 198014 | |

Priority Applications (No Type Date): IT 7528804 A 19751030

Abstract (Basic): DE 2648351 A
Moulding compsn. contains, by wt., (a) 10-50 (20-35)% unsatd. polyester, (b) 0.2-2(0.5-1.8)% organic peroxide decomposing above 70 (>120) degrees C and (c) inert filler(s). Unsatd. polyester is a polycondensate of a polyol with an ethylenically unsatd. dicarboxylic acid, pref. maleic and/or fumaric acid, and a satd. dicarboxylic acid, pref. phthalic, isophthalic or terephthalic acid. Polyol is an alkylene glycol, esp. ethylene- or propylene-glycol, opt. mixed with <=20 wt.% of opt. halogenated 2,21-bis(4-hydroxy-cyccIohexyl)propane. Polycondensate has m.pt. (measured in capillary tube) >=60 (60-80) degrees C; acid index 50(15-25)-mg. KOH/g. and Gardner viscosity (measured at 25 degrees C in 60 wt. % styrene soln.) V-Z2 W-Y).
Compsn. can be press.-, transfer- or injection-moulded. Moulded articles can be used as electrical or electronic parts, e.g., coiled core sheaths, casings for low-and medium voltage switches, insulators, terminal strips, sheathed cables, plugs, insulator supports and electromotor fans.
Mouldings have high dimensional stability at higher temps., low shrinkage and good electrical properties; high strength; resistance to chemicals; little water absorption and are easily coloured. Compsns. can be used as free-flowing granulates which cause no dust. They are stable at room temp., liquid within temp. limits and harden quickly at higher temps.
Derwent Class: A23; X12
International Patent Class (Additional): C08F-299/04; C08G-063/52; C08K-003/40; C08K-005/14; C08L-067/06; H01B-003/42